PCR

Goal	To replicate desired DNA so more copies of DNA are yielded
Materials	• Pipettes • Filter tips • Sterile Water • dNTPs • Template DNA • DNA primers for region of interest • DNA polymerase buffer • DNA polymerase • 0.2 mL PCR tubes • Centrifuge • Vortex • Thermocycler
Procedure	1. Ensure that a sterile working environment is maintained through the duration of the PCR 2. Remove reaction components from -20°C freezer and thaw completely. After, vortex and centrifuge 3. To 0.2 mL PCR tubes add: DNA polymerase buffer, dNTP, primers, template DNA and sterile water 4. Vortex and centrifuge 5. Add and pipet the DNA polymerase into the reaction 6. Move reaction tubes to thermocycler 7. Enter the appropriate information into thermocycler 8. After thermocycling, remove tubes, centrifuge, vortex, and centrifuge a second time 9. Store samples in -20°C or run immediately on a gel